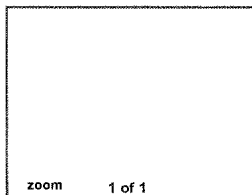


Register for additional site benefits. | [Login](#) | [Your Profile](#) | [Order Center](#) | [Search](#) | [Oligos & Peptides](#) | [Support](#) | [Help](#)

Exhibit 4

15785 (-)-Menthol

Riedel-de Haën puriss., meets analytical specification of Ph. Eur., BP, USP, ≥99%



Synonym (1R,2S,5R)-2-Isopropyl-5-methylcyclohexanol
5-Methyl-2-(1-methylethyl)cyclohexanol

Molecular Formula C₁₀H₂₀O

Molecular Weight 156.27

CAS Number 2216-51-5

Beilstein Registry Number 1902293

MDL number MFCD00082979

PubChem Substance ID 24849703

EG/EC Number 218-690-9

zoom 1 of 1

[Expand/Collapse All](#)**Price and Availability**[Click For Pricing and Availability](#)**Properties**

grade puriss.

assay ≥99%

optical activity [α]_D²⁰ -48 to -51°, c = 10% in ethanol

quality meets analytical specification of Ph. Eur., BP, USP

total impurities acidity or alkalinity, complies
chromatographic purity (GC), complies
related subst., complies
residual solvents, complies
≤0.05% non-volatile matter

mp 41-44 °C

suitability in accordance for appearance of the solution

References**Beilstein** Beil. 6, IV, 150**Safety**

Hazard Codes Xi

Risk Statements 37/38-41

Safety Statements 26-39

WGK Germany 2

RTECS OT0700000

Related Categories[... Pharmacopoeia \(USP\) > Pharmacopoeia A-Z](#)**Related Information**

[FT-IR Condensed Phase](#)

[FT-IR Raman](#)

[FT-NMR](#)

[MSDS](#)

[Certificate of Analysis](#)

[More Information](#)

Links

[Similar Products](#)

[Related Categories](#)

Page Options

[Print Preview](#)

[Bulk Quote](#)

[Ask A Scientist](#)

[Email Page](#)

Last 5 Products Viewed

15785 (Riedel-de Haën)

63660 (Fluka)

Use of this web site constitutes your acceptance of the [Site Use Terms](#)[privacy](#) | [terms and conditions of sale](#) | [Business Development](#)

© 2007 Sigma-Aldrich Co. Reproduction forbidden without permission.
Sigma-Aldrich brand products are sold exclusively through Sigma-Aldrich, Inc. Best viewed in IE6 or higher